25X1A

OSA (1-2-3-4-5-6-7-8-9-10)

ROUTINE

S/C (11)

TOR: 19 JAN 63 0318Z

IN 62977

25X1A

PRITY

815
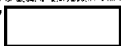
25X1A

OXCART

} NO NIGHT ACTION

25X1A 1.

2. TEST OBJECTIVES, ATF 10

A. INSTRUMENT V/H SENSOR AND INTERFACE TO EVALUATE PERFOR-MANCE.

B. INVESTIGATE AZIMUTH HEADING AND MIRROR REFERENCE IN RELATION TO INS BY RECORDING DURING OPERATION.

C. EFFECT OF 1 DEGREE PITCH CHANGE ON STABILIZATION.

D. EFFECT OF SCANNER REPHASING.

E. EVALUATE AFT IMC PERFORMANCE AFTER FIX.

F. EVALUATE ANALGESIC AFTER INSTALLATION.

G. EVALUATE AFT EDGE SENSOR AFTER FIX.

H. INVESTIGATE PRESSURE ON STATIC MARKINGS ON FILM.

3. ATF 10 PRELIMINARY EVALUATION:

A. ALL SCHEDULED RUNS COMPLETED, SYSTEM OPERATION 100 PER CENT.

B. INSTRUMENTATION REVISED TO MONITOR V/H INTERFACE, TENSION PATH LENGTHS, LEADING MIRROR, GYROS AND BUBBLES.

S E C R E T

25X1A

SECRET

7815, IN 62917   PAGE TWO

C. HEADING MIRROR OPERATED AT ONE EXTREME OR THE OTHER
THROUGHOUT RUNS, INDICATING LARGE CRAB VALUES.

D. MORE DATA NEEDED IN CONTINUING V/H INVESTIGATION.

E. FEWER CAGING OPERATIONS WERE OBSERVED.

F. FURTHER ADJUSTMENT OF PHASING, AND INVESTIGATION OF
INTERMITTANT MARKS IS INDICATED.

4. DATA ATF 10

RUN	10-1	10-2	10-3	10-4	10-5
TARGET	AF	ELY	ELY	AF	AF
HDG	007	045	190	190	190
T/C ALT	20	22.6	23.6	35.3	35.1
DATA KNOTS	373	449	539	774	779
BETA	-13	NA	NA	-16	-17
FRAME 49 PARALLEL	93 PLUS			120	43-
FRAME 50 PARALLEL	24			107	135
FRAME 51 PARALLEL	56			43-	135
FRAME 52 PARALLEL	--			135	152
FRAME 49 PERPENDIC	39			102	81
FRAME 50 PERPENDIC	90 PLUS			70	81
FRAME 51 PERPENDIC	24			163	70
FRAME 52 PERPENDIC				129	91

END OF MESSAGE

S E C R E T